**From**: Michael J Winters (Generation - 34) [/O=DOMINION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=MIC1082]
**Sent**: 12/7/2015 3:54:59 PM
**To**: Doug Wight (Generation - 34) [/O=DOMINION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=Dougla7]; Kenneth Roller (Services - 6) [/O=DOMINION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=Kenne64]
**CC**: Michael A Glagola (Generation - 34) [/O=DOMINION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=Mic0210]; Scott Quinlan [s.quinlan@gaiconsultants.com]; John A Cima (Generation - 34) [/O=DOMINION/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=JOHN171d28]
**Subject**: RE: Possum Point

All looks correct, although I can't verify the surface water estimated for Pond D, or ash estimates for ABC and E.

Is there any concern with getting nailed down to a maximum discharge rate of 2000 gpm? Is there some buffer/factor of safety built in there so that we won't exceed 2000 gpm?

Mike W

**From:** Doug Wight (Generation - 34)
**Sent:** Monday, December 07, 2015 2:02 PM
**To:** Kenneth Roller (Services - 6)
**Cc:** Michael A Glagola (Generation - 34); Scott Quinlan; John A Cima (Generation - 34); Michael J Winters (Generation - 34)
**Subject:** Re: Possum Point

Ken, the write up makes sense.

Sent from my iPhone

On Dec 7, 2015, at 12:26 PM, Kenneth Roller (Services - 6) <kenneth.roller@dom.com> wrote:

All,

Please review the information below and make sure that it is correct. If not, please make necessary edits and return.

Thanks,

Ken

## POSSUM POINT

**Pond D**

145 Million Gallons of surface water in pond.

- This will be discharged at a rate of ~2000 gpm or 2.88 MGD
- Discharge of this water is expected to take 40 – 60 days (assuming 24/7 discharge)
- We plan to start discharge of this water as soon as possible following permit modification

50 – 70 Million Gallons of pore water (ash dewatering water) to be removed to stabilize ash in order to construct closure cover

- Discharge of ash dewatering water from Pond D is expected to occur over the duration of the project.
- Ash dewatering water (and contact stormwater) could be discharged at flows up to 2,000 gpm; however, the typical dewatering flow rate is expected to be considerably less than the surface water flow rate
- The volume and frequency of ash dewatering discharge from Pond D should decrease over the life of the project.

**Ponds ABC**

The remaining ash in Ponds ABC (~40k cubic yards) will require some dewatering in order to haul offsite. Some contact stormwater will also be generated during periods of precipitation and this water will need to be discharged.

- Discharge of wastewater from Ponds ABC will be intermittent in nature and will largely be related to precipitation.
- The Pond ABC wastewaters will be combined with the Pond D wastewaters and the combined flow will be discharged at a rate of up to 2,000 gpm.
- The volume and frequency of the discharge from Ponds ABC will decrease until the ponds are closed.
- Closure of Ponds ABC is expected to occur before closure of Pond D.

**Pond E**

The remaining ash in Pond E (50 – 100K cubic yards) will require dewatering in order to haul offsite. In addition, contact stormwater will be generated during periods of precipitation and this water will also need to be discharged.

- Discharge of wastewater from Pond E will be intermittent in nature and will largely be related to precipitation.
- The Pond E wastewaters will be combined with the Pond D wastewaters and the combined flow will be discharged at a rate of up to 2,000 gpm.
- The volume and frequency of the discharge from Pond E will decrease until the ponds are closed.
- Closure of Pond E is expected to occur before closure of Pond D.

**Pond D Draw Down:**

- Dominion anticipates drawing down the water in Pond D at a rate of 1-2 feet per day
- Short-term static stability analyses were performed by our contractor GAI to evaluate the stability of the berm during a rapid drawdown of the pond water (i.e., essentially all ponded water is released immediately from the pond). Based on this analysis dewatering of the pond at a rate of 1 to 2 feet per day will not induce dam instability.

Ken